

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A self-drilling bone screw, comprising:
a body having a head at one end and a tip defining a single generally flat cutting edge at an opposite end thereof disposed generally perpendicular to a central longitudinal axis of the body; and
a dual lead thread extending radially outwardly from the body in a spiral path from the cutting tip towards the head.
2. (Previously Presented) The bone screw of claim 1, wherein the dual lead thread is variable pitched.
3. (Original) The bone screw of claim 2, wherein the dual lead thread pitch is tapered towards the cutting tip and transitions to a straight thread towards the head.
4. (Original) The bone screw of claim 1, including a recess formed in the head configured to receive an end of an insertion tool.
5. (Original) The bone screw of claim 1, wherein the bone screw is comprised of a medical grade titanium alloy.
6. (Original) The bone screw of claim 1, wherein the bone screw is approximately 1.0 to 2.0 mm in diameter and approximately 3.0 to 6.0 mm in length.
7. (Previously Presented) A self-drilling bone screw, comprising:
a body having a head at one end and a tip defining a single generally flat cutting edge at an opposite end thereof disposed generally perpendicular to a central longitudinal axis of the body; and
a dual lead thread extending radially outwardly from the body in a spiral path from the cutting tip to the head, the dual lead thread being variable pitched.
8. (Original) The bone screw of claim 7, including a recess formed in the head configured to receive an end of an insertion tool.

9. (Original) The bone screw of claim 7, wherein the bone screw is comprised of a medical grade titanium alloy.

10. (Original) The bone screw of claim 7, wherein the bone screw is approximately 1.0 to 2.0 mm in diameter and approximately 3.0 to 6.0 mm in length.

11. (Previously Presented) A self-drilling, self-tapping bone screw, comprising:

a body comprised of medical grade titanium alloy of approximately 1.0 to 2.0 mm in diameter and approximately 3.0 to 6.0 mm in length, the body having a head at one end and a tip defining a single generally flat cutting edge at an opposite end thereof disposed generally perpendicular to a central longitudinal axis of the body, the body having a generally constant root diameter;

a dual lead thread extending radially outwardly from the body in a spiral path from the cutting tip towards the head, the dual lead thread having a normal rake angle and being variable pitched such that the pitch of the thread is tapered towards the cutting tip and transitions to a straight thread towards the head; and

a recess formed in the head configured to receive an end of an insertion tool.

12. (Previously Presented) The bone screw of claim 1, wherein the dual lead thread extends from the tip continuously to the head.

13. (Previously Presented) The bone screw of claim 1, wherein the body has a constant root diameter.

14. (Previously Presented) The bone screw of claim 1, wherein the dual lead thread has a normal rake angle.

15. (Previously Presented) The bone screw of claim 7, wherein the body has a constant root diameter.

16. (Previously Presented) The bone screw of claim 7, wherein the dual lead thread has a normal rake angle.